

Product datasheet for **TA321064**

Factor IX (F9) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human colon cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 227-461 amino acids of human coagulation factor IX
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	coagulation factor IX
Database Link:	NP_000124 Entrez Gene 14071 Mouse Entrez Gene 24946 Rat Entrez Gene 2158 Human P00740



[View online »](#)

Background:

This gene encodes vitamin K-dependent coagulation factor IX that circulates in the blood as an inactive zymogen. This factor is converted to an active form by factor XIa; which excises the activation peptide and thus generates a heavy chain and a light chain held together by one or more disulfide bonds. The role of this activated factor IX in the blood coagulation cascade is to activate factor X to its active form through interactions with Ca²⁺ ions; membrane phospholipids; and factor VIII. Alterations of this gene; including point mutations; insertions and deletions; cause factor IX deficiency; which is a recessive X-linked disorder; also called hemophilia B or Christmas disease.

Synonyms:

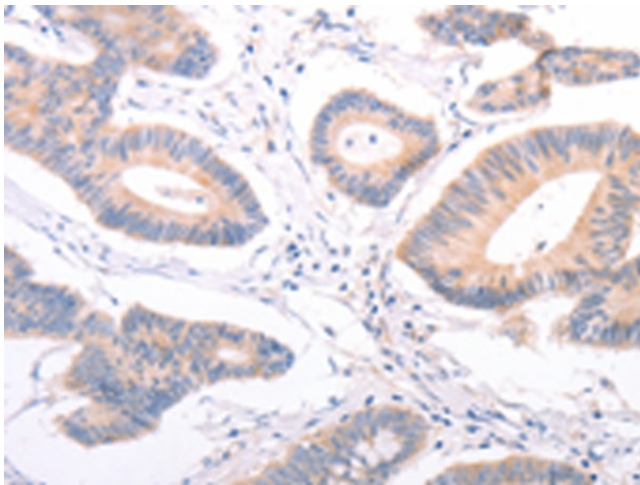
FIX; HEMB; P19; PTC; THPH8

Protein Families:

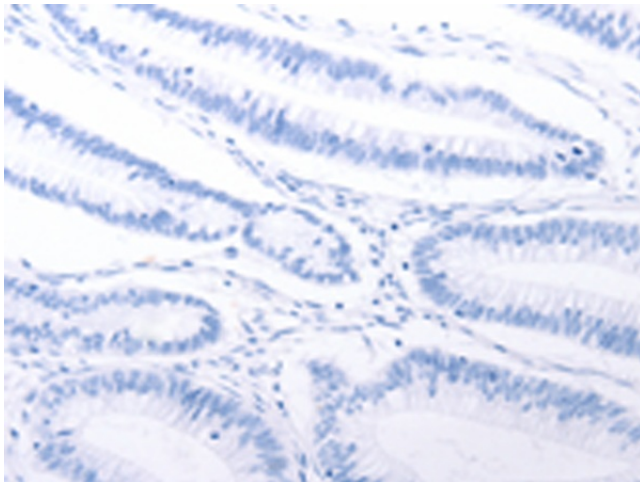
Druggable Genome, Protease, Secreted Protein

Protein Pathways:

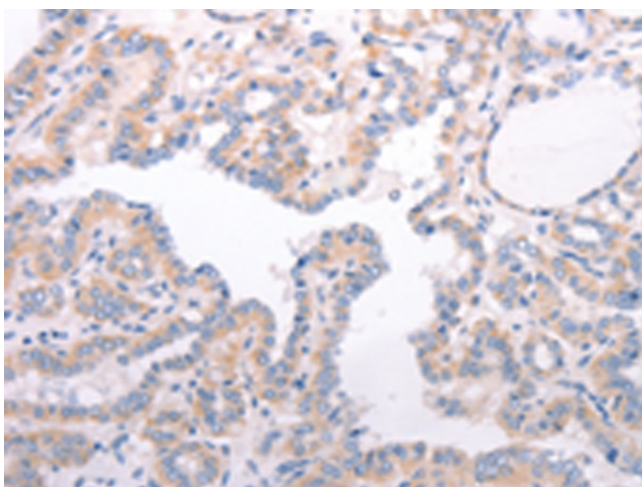
Complement and coagulation cascades

Product images:

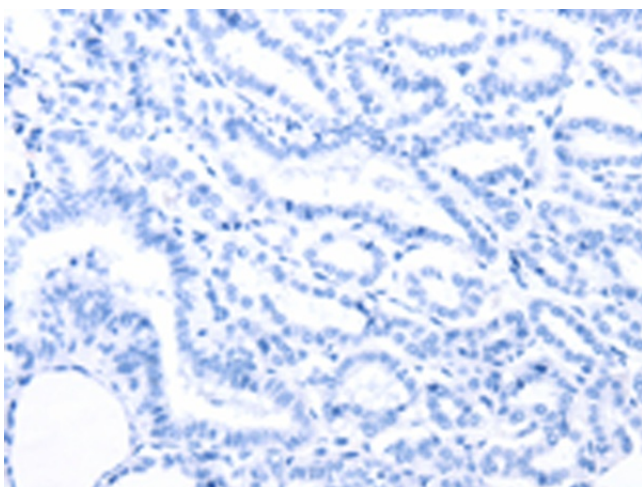
Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA321064 (F9 Antibody) at dilution 1/45 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA321064 (F9 Antibody) at dilution 1/45, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA321064 (F9 Antibody) at dilution 1/45 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA321064 (F9 Antibody) at dilution 1/45, treated with fusion protein. (Original magnification: ×200)